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# **Freeform Search** US Patents Full-Text Database US Pre-Grant Publication Full-Text Database JPO Abstracts Database Database: **EPO Abstracts Database** Derwent World Patents Index **IBM Technical Disclosure Bulletins** iodide ion same (radionuclide or contrast agent) Term: Starting with Number | 1 Display: Documents in **Display Format**: | -Generate: ○ Hit List ● Hit Count ○ Side by Side ○ Image Search Clear Help Logout Interrupt Main Menu Show S Numbers Edit S Numbers Preferences Cases **Search History**

DATE: Friday, September 27, 2002 Printable Copy Create Case

Set Name side by side	<del></del>	Hit Count	Set Name result set
DB=US	SPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=ADJ		
<u>L12</u>	iodide ion same (radionuclide or contrast agent)	6	<u>L12</u>
<u>L11</u>	((424/1.11 )!.CCLS. ) and iodide ion	4	<u>L11</u>
<u>L10</u>	L9 and ((424/1.11 )!.CCLS. )	13	<u>L10</u>
<u>L9</u>	L8 and (radionuclide or contrast agent)	269	<u>L9</u>
<u>L8</u>	13 same (stable or stabilize or stabilizer or stabilizing)	7350	<u>L8</u>
<u>L7</u>	L6 and (radionuclide or contrast agent)	1	<u>L7</u>
<u>L6</u>	L5 same (stable or stabilize or stabilizer or stabilizing)	189	<u>L6</u>
<u>L5</u>	iodide ion	3402	<u>L5</u>
<u>L4</u>	12 and 13	2	<u>L4</u>
<u>L3</u>	iodide or iodine or ki	185437	<u>L3</u>
<u>L2</u>	depreotide	3	<u>L2</u>
<u>L1</u>	tc-99m or tc	46135	<u>L1</u>

**END OF SEARCH HISTORY** 

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                 "Ask CAS" for self-help around the clock
NEWS
                 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS
         Apr 09
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         Apr 09
                 ZDB will be removed from STN
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                 US Patent Applications available in IFICDB, IFIPAT, and
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NEWS 6 Apr 22 Records from IP.com available in CAPLUS, HCAPLUS, and
ZCAPLUS
         Apr 22 BIOSIS Gene Names now available in TOXCENTER
NEWS 7
                 Federal Research in Progress (FEDRIP) now available
NEWS 8 Apr 22
        Jun 03
NEWS 9
                New e-mail delivery for search results now available
NEWS 10 Jun 10 MEDLINE Reload
NEWS 11 Jun 10
                PCTFULL has been reloaded
                FOREGE no longer contains STANDARDS file segment
NEWS 12 Jul 02
NEWS 13 Jul 22
                 USAN to be reloaded July 28, 2002;
                 saved answer sets no longer valid
                 Enhanced polymer searching in REGISTRY
NEWS 14 Jul 29
        Jul 30
                NETFIRST to be removed from STN
NEWS 15
                CANCERLIT reload
NEWS 16 Aug 08
NEWS 17
         Aug 08
                PHARMAMarketLetter(PHARMAML) - new on STN
         Aug 08 NTIS has been reloaded and enhanced
NEWS 18
NEWS 19 Aug 19 Aquatic Toxicity Information Retrieval (AQUIRE)
                 now available on STN
                 IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 20 Aug 19
                 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 21 Aug 19
NEWS 22
        Aug 26 Sequence searching in REGISTRY enhanced
NEWS 23
         Sep 03
                JAPIO has been reloaded and enhanced
NEWS 24
         Sep 16 Experimental properties added to the REGISTRY file
                 Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 25
         Sep 16
NEWS 26
         Sep 16 CA Section Thesaurus available in CAPLUS and CA
NEWS EXPRESS February 1 CURRENT WINDOWS VERSION IS V6.0d,
              CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP),
              AND CURRENT DISCOVER FILE IS DATED 05 FEBRUARY 2002
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NEWS WWW
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=> fil reg COST IN U.S. DOLLARS

=> e depreotide/cn

SINCE FILE TOTAL ENTRY SESSION 0.21 0.21

FULL ESTIMATED COST

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TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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E1
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                 DEPRENYL/CN
                 DEPRENYL HYDROCHLORIDE/CN
E2
            1
E3
            1 --> DEPREOTIDE/CN
E4
                DEPRESOSTEROL/CN
            1
E5
                 DEPRESSAN/CN
            1
                DEPRESSIN/CN
E6
           2
               DEPRESSIN (IRIDOID)/CN
           1
E7
                DEPRESSIN (PHARMACEUTICAL)/CN
E8
           1
E9
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           1
E10
                 DEPRESSONOL B/CN
           1
E11
                 DEPRESSOSIDE/CN
E12
            1
                 DEPRESSOSIDE A/CN
=> s e3
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=> d

L1

L1 ANSWER 1 OF 1 REGISTRY COPYRIGHT 2002 ACS

1 DEPREOTIDE/CN

RN 161982-62-3 REGISTRY

CN Cyclo(L-homocysteinyl-N-methyl-L-phenylalanyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl), (1.fwdarw.1')-thioether with 3-[(mercaptoacetyl)amino]-L-alanyl-L-lysyl-L-cysteinyl-L-lysinamide (9CI) (CA INDEX NAME)

## OTHER CA INDEX NAMES:

CN Cyclo(L-homocysteinyl-N-methyl-L-phenylalanyl-L-tyrosyl-D-tryptophyl-L-lysyl-L-valyl), (1.fwdarw.1')-sulfide with 3-[(mercaptoacetyl)amino]-L-alanyl-L-lysyl-L-cysteinyl-L-lysinamide

# OTHER NAMES:

CN 84: PN: WO02060491 PAGE: 50 claimed sequence

CN Depreotide

CN P 829

FS PROTEIN SEQUENCE; STEREOSEARCH

DR 174510-48-6

MF C65 H96 N16 O12 S2

SR CA

LC STN Files: ADISINSIGHT, CA, CAPLUS, DIOGENES, DRUGNL, DRUGPAT, DRUGUPDATES, PROMT, TOXCENTER, USAN, USPATFULL

\*\*RELATED SEQUENCES AVAILABLE WITH SEQLINK\*\*

Absolute stereochemistry.

PAGE 1-A

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

13 REFERENCES IN FILE CA (1962 TO DATE)

9 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

13 REFERENCES IN FILE CAPLUS (1962 TO DATE)

=> log y
COST IN U.S. DOLLARS
SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST
5.96 6.17

STN INTERNATIONAL LOGOFF AT 08:51:39 ON 27 SEP 2002

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         Apr 08
                 BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS
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         Apr 09
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NEWS 5
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         Apr 19
IFIUDB
                 Records from IP.com available in CAPLUS, HCAPLUS, and
NEWS
      6 Apr 22
ZCAPLUS
NEWS
         Apr 22
                 BIOSIS Gene Names now available in TOXCENTER
NEWS 8
         Apr 22
                 Federal Research in Progress (FEDRIP) now available
         Jun 03
                 New e-mail delivery for search results now available
NEWS 10
         Jun 10
                 MEDLINE Reload
                 PCTFULL has been reloaded
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                 FOREGE no longer contains STANDARDS file segment
NEWS 12
NEWS 13
        Jul 22
                 USAN to be reloaded July 28, 2002;
                 saved answer sets no longer valid
        Jul 29
                 Enhanced polymer searching in REGISTRY
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NEWS 15
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                 CANCERLIT reload
NEWS 16 Aug 08
NEWS 17
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                 PHARMAMarketLetter(PHARMAML) - new on STN
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                 now available on STN
         Aug 19
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NEWS 20
                 The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 21
         Aug 19
NEWS 22
         Aug 26
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         Sep 16
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NEWS 25
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NEWS 26
         Sep 16
                 CA Section Thesaurus available in CAPLUS and CA
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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details: http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> fil caplus uspatfull biosis embase medline
COST IN U.S. DOLLARS

SINCE FILE TOTAL ENTRY SESSION

4.59

4.38

FULL ESTIMATED COST

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FILE 'EMBASE' ENTERED AT 09:18:38 ON 27 SEP 2002 COPYRIGHT (C) 2002 Elsevier Science B.V. All rights reserved.

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=> s 11
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1.2

19 L1

=> dup rem 12

PROCESSING COMPLETED FOR L2

L3 18 DUP REM L2 (1 DUPLICATE REMOVED)

=> s 13 and iodide ion

L4 0 L3 AND IODIDE ION

=> d l3 ibib abs

L3 ANSWER 1 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER:

2002:594711 CAPLUS

DOCUMENT NUMBER:

137:159312

TITLE:

Stabilization of radiopharmaceutical compositions

using hydrophilic thioethers and hydrophilic

6-hydroxy

chromans

INVENTOR(S):

Cyr, John E.; Pearson, Daniel A.

PATENT ASSIGNEE(S):

Diatide, Inc., USA

SOURCE:

PCT Int. Appl., 64 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

APPLICATION NO. DATE PATENT NO. KIND DATE -----\_\_\_\_\_\_ WO 2001-US50423 20011024 A2 20020808 WO 2002060491 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG PRIORITY APPLN. INFO.: US 2000-694992 A1 20001024 US 2000-695360 A1 20001024

US 2000-695494 A1 20001024 AB Radiopharmaceutical compns. which are stabilized by addn. of a hydrophilic

thioether, a hydrophilic 6-hydroxy-chroman deriv., or a mixt. of a hydrophilic thioether and a hydrophilic 6-hydroxy-chroman deriv. are described. Several examples are provided demonstrating the stabilizing effects of L-methionine, Trolox, or a combination of the two on lyophilized kit prepns. contg. 99mTc-labeled deprectide, benzodiazepinedione deriv., a glycoprotein IIb/IIa receptor-binding peptide, a peptide chelator, a bisamine bisthiol chelator, or other peptides.

#### => d 13 2 ibib abs

L3 ANSWER 2 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER:

2001:489224 CAPLUS

DOCUMENT NUMBER:

135:97445

TITLE: Method for relieving pain associated with an internal

disease site

INVENTOR(S): Luiken, George A.

PATENT ASSIGNEE(S): Fluoro Probe, Inc., USA SOURCE: PCT Int. Appl., 31 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

LANGUAGE:

Patent English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATE	PATENT INFORMATION:																	
	PATENT NO.								APPLICATION NO. DATE									
	WO 2001																	
	WO 2001	0475	12	A.	3	2002	0502											
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the pain-relieving agent then is required when the pain-relieving agent

injected in the free state.

## => d 13 3 ibib abs

is

L3 ANSWER 3 OF 18 USPATFULL

ACCESSION NUMBER: 2001:237454 USPATFULL

TITLE: Method for viewing tumor tissue located within a body

cavity

INVENTOR(S): Luiken, M.D., George A., Coronado, CA, United States

	NUMBER	KIND	DATE		
PATENT INFORMATION:	US 2001055566	A1	20011227		
APPLICATION INFO.:	US 2001-832297	A1	20010409	(9)	
RELATED APPLN. INFO.:	Continuation-in-	part of	Ser. No.	US 1999-362805,	filed
	on 28 Jul 1999, (	GRANTED,	Pat. No.	US 6284223	
	Continuation-in-	part of	Ser. No.	US 1998-173190,	filed
	on 15 Oct 1998, I	PENDING			

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION

LEGAL REPRESENTATIVE: GARY CARY WARE & FRIENDENRICH LLP, 4365 EXECUTIVE

DRIVE, SUITE 1600, SAN DIEGO, CA, 92121-2189

NUMBER OF CLAIMS: 39 EXEMPLARY CLAIM: 1 LINE COUNT: 1252

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods are provided for in vivo detection of diseased tissue in a

subject, such as tumor tissue located in a body opening, by

administering to the subject a biologically compatible fluorescing targeting construct that binds to or is specifically taken up by the diseased tissue. The observer directly views fluorescence emanating

from

the fluorescing targeting construct bound to or taken up by the diseased

tissue upon irradiation of the targeting construct with excitation light

having at least one wavelength in the range from 401 nm to about 495 nm,

but preferably lacking light having a wavelength above about 500 nm, so as to determine the location and/or surface area of the diseased tissue in the subject. Since excitation wavelength does not penetrate through tissue, as is the practice in near IR diagnostics, the diseased or abnormal tissue is exposed to the excitation light either surgically or by means of an endoscopic device. Preferably a filter is used to filter out any wavelengths in the excitation light greater than about 500 nm.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 13 4 ibib abs

L3 ANSWER 4 OF 18 USPATFULL

ACCESSION NUMBER: 2001:173125 USPATFULL

TITLE: Method for viewing diseased tissue located within a

body cavity

INVENTOR(S): Luiken, George, Coronado, CA, United States

PATENT ASSIGNEE(S): Fluoro Probe, Inc., Coronado, CA, United States (U.S.

corporation)

NUMBER KIND DATE

PATENT INFORMATION: US 6299860 B1 20011009
APPLICATION INFO.: US 1998-173190 19981015 (9)
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED

PRIMARY EXAMINER: Dees, Jose' G.
ASSISTANT EXAMINER: Jones, Dameron L.

LEGAL REPRESENTATIVE: Gray Cary Ware & Freidenrich, Learn, June M.

NUMBER OF CLAIMS: 43
EXEMPLARY CLAIM: 1
LINE COUNT: 905

In

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Methods are provided for in vivo detection of tissue associated with a disease state in a subject, such as tissue located in a body opening.

the invention method, the subject is administered a biologically compatible fluorescing targeting construct, the construct is allowed to bind to any target tissue present in the subject, a body part of the

subject suspected of containing the target tissue is irradiated with UV light while extraneous light to the body part is substantially eliminated, and fluorescence emanating from the fluorescing targeting construct bound to the target tissue is detected and visualized by the observer with or without the aid of an endoscope, so as to determine

the

location and size of the target tissue. The invention methods offer the advantage that diseased or abnormal tissue can be detected at interior body sites with or without the aid of an endoscopic device. Once the diseased or abnormal tissue has been identified, for example in a surgical opening, such tissue can be readily biopsied or excised surgically.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

#### => d l3 5 ibib abs kwic

L3 ANSWER 5 OF 18 USPATFULL

ACCESSION NUMBER: 2001:147442 USPATFULL

TITLE: Method for viewing tumor tissue located within a body

cavity

INVENTOR(S): Luiken, George, Coronado, CA, United States

PATENT ASSIGNEE(S): FluoroProbe, Inc., Coronado, CA, United States (U.S.

corporation)

APPLICATION INFO.: US 1999-362805 19990728 (9)
RELATED APPLN. INFO.: Continuation-in-part of Ser. No. US 1998-173190, filed

on 15 Oct 1998

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Jones, Dameron L.

LEGAL REPRESENTATIVE: Gray Cary Ware & Freidenrich LLP, Learn, June M.

NUMBER OF CLAIMS: 46
EXEMPLARY CLAIM: 1
LINE COUNT: 1154

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Methods are provided for in vivo detection of tumor tissue associated with a disease state in a subject, such as tumor tissue located in body opening. In the invention method, the subject is administered a biologically compatible fluorescing targeting construct, the construct is allowed to bind to and/or be taken up by tumor tissue present in the subject, a body part of the subject suspected of containing the tumor tissue is irradiated with UV light while extraneous light to the body part is substantially eliminated, and fluorescence emanating from the fluorescing targeting construct bound to and/or taken up by the tumor tissue is directly viewed by the observer with or without the aid of an endoscope, so as to determine the location and size of the tumor

tissue.

The invention methods offer the advantage that diseased or abnormal tissue can be directly viewed at interior body sites with or without

the

aid of an endoscopic device, and without the use of additional imaging equipment, for example, through a surgical opening to facilitate a procedure of biopsy or surgical excision.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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60-54-8, Tetracycline 63-68-3, Methionine, biological studies
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69-78-3
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      51110-01-1, Somatostatin 68181-17-9 72252-96-1 83150-76-9,
                  106145-13-5 108736-35-2, Lanreotide 115616-51-8 150243-58-6 150243-59-7 150244-18-1 153177-60-7
                  106145-13-5
      Octreotide
      130838-28-7
      160854-54-6 161982-62-3, P829 199804-25-6 256504-33-3
      256504-34-4 256504-35-5 264596-75-0, P 587
        (fluorescence imaging of tumor tissue)
=> d 13 6 ibib abs
    ANSWER 6 OF 18 CAPLUS COPYRIGHT 2002 ACS
                        2000:260081 CAPLUS
ACCESSION NUMBER:
DOCUMENT NUMBER:
                        132:290564
                        Method for viewing tumor tissue located within a body
TITLE:
                        cavity
                        Luiken, George A.
INVENTOR(S):
                        Fluoro Probe, Inc., USA
PATENT ASSIGNEE(S):
SOURCE:
                        PCT Int. Appl., 35 pp.
                        CODEN: PIXXD2
                        Patent
DOCUMENT TYPE:
                        English
LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
     PATENT NO.
                    KIND DATE
                                         APPLICATION NO. DATE
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WO 2000021576 A2
                                         20000420
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       WO 2000021576
                                A3 20000713
            W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM,
                   AZ, BY, KG, KZ, MD, RU, TJ, TM
             RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF,
                   CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
                                                      US 1998-173190
                                                                                       19981015
       US 6299860
                               B1 20011009
                                         20010808
                                                              EP 1999-956489
                                 A2
                                                                                         19991012
       EP 1121158
             R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
                   IE, SI, LT, LV, FI, RO
                                                           US 1998-173190
                                                                                    A2 19981015
PRIORITY APPLN. INFO.:
                                                           US 1999-362805
                                                                                    A2 19990728
                                                           WO 1999-US21607 W 19991012
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AB Methods are provided for in vivo detection of tissue assocd. with a disease state in a subject, such as tumor tissue located in a body opening. In the invention method, the subject is administered a biol. compatible fluorescing targeting construct, the construct is allowed to bind to and/or be taken up by diseased tissue present in the subject, a body part of the subject suspected of contg. the tumor tissue is irradiated in vivo with UV light while extraneous light to the body part is substantially eliminated, and fluorescence emanating from the fluorescing targeting construct bound to and/or taken up by the tumor tissue is directly viewed by the observer with or without the aid of an endoscope, so as to det. the location and size of the tumor tissue. The invention methods offer the advantage that diseased or abnormal tissue

be directly viewed at interior body sites with or without the aid of an endoscopic device, and without the use of addnl. imaging equipment, for example, through a surgical opening to facilitate a procedure of biopsy

or

surgical excision.

=> d 13 7 ibib abs

L3 ANSWER 7 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER:

2000:390302 CAPLUS

DOCUMENT NUMBER:

133:39965

TITLE:

A multicenter trial with a somatostatin analog 99mTc depreotide in the evaluation of solitary pulmonary

nodules

AUTHOR(S):

Blum, Jay; Handmaker, Hirsch; Lister-James, John;

Rinne, Neal

CORPORATE SOURCE:

NeoTect Solitary Pulmonary Nodule Study Group, CIGNA

Healthcare of Arizona, Phoenix, AZ, USA

SOURCE:

Chest (2000), 117(5), 1232-1238 CODEN: CHETBF; ISSN: 0012-3692

PUBLISHER:

American College of Chest Physicians

DOCUMENT TYPE:

Journal English

LANGUAGE:

Objective: The affinity of various malignant neoplasms including small cell and non-small cell lung cancer for peptide analogs of somatostatin has been well documented. Depreotide is such an analog and can be complexed with technetium-99m (99mTc depreotide) for optimal imaging

complexed with technetium-99m (99mTc depreotide) for optimal imaging properties. Using this radiopharmaceutical, solitary pulmonary nodules (SPN) were previously evaluated in a successful phase II/III trial. The results of the larger multicenter phase III study using 99mTc depreotide to differentiate malignant and benign etiologies in SPN are now presented.

Methods: Patients with SPN .ltoreq. 6 cm on chest radiograph were referred

for evaluation. One hundred fourteen individuals who had an absence of a benign pattern of calcification on CT scan, age > 30 yr, and no demonstrable radiog. stability for the prior 2 yr were studied. All underwent single-photon emission CT (SPECT) with 99mTc deprectide and subsequent tissue histol. examn. Three nuclear medicine specialists blinded to histol. findings examd. the SPECT images and scored them as pos. or neg. based on the presence or absence of activity in the radiog. region of the SPN. The final result was detd. by the majority score, which was then compared with the histol. result. Results: Of the 114 individuals studied, 88 had a histol. result compatible with malignant neoplasm. 99mTc deprectide scintigraphy correctly identified 85 of this group, with three false-neg. detns. compared with histol. There were seven false-pos. detns., including six granulomas and one hamartoma. 99mTc deprectide scintigraphy correctly excluded malignancy in 19 of 26 patients with benign histol. findings. The sensitivity of this method

was

of

96.6% with a specificity of 73.1%. Conclusion: 99mTc depreotide scintigraphy is a safe and useful method for the noninvasive evaluation

SPN with a sensitivity and accuracy comparable to that reported for fluorine-18 fluorodeoxyglucose positron emission tomog.

REFERENCE COUNT:

45 THERE ARE 45 CITED REFERENCES AVAILABLE FOR

THIS

**FORMAT** 

RECORD. ALL CITATIONS AVAILABLE IN THE RE

=> d 13 8 ibib abs

L3 ANSWER 8 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 2000:370600 CAPLUS

DOCUMENT NUMBER: 133:249048

TITLE: Noninvasive monitoring of gene transfer using a

reporter receptor imaged with a high-affinity peptide

radiolabeled with 99mTc or 188Re

AUTHOR(S): Zinn, Kurt R.; Buchsbaum, Donald J.; Chaudhuri,

Tandra

R.; Mountz, James M.; Grizzle, William E.; Rogers,

Buck E.

CORPORATE SOURCE: Departments of Radiology, Radiation Oncology, and

Pathology, University of Alabama at Birmingham,

Birmingham, AL, USA

SOURCE: Journal of Nuclear Medicine (2000), 41(5), 887-895

CODEN: JNMEAQ; ISSN: 0161-5505

PUBLISHER: Society of Nuclear Medicine, Inc.

DOCUMENT TYPE: Journal LANGUAGE: English

AB Gene therapy protocols require better modalities to monitor the location and level of transferred gene expression. One potential in vivo

mechanism

to assess gene expression would be to image the binding of a radiolabeled peptide to a reporter receptor that is expressed in targeted tissues. This concept was tested in a tumor model using a replication-incompetent adenoviral vector encoding the human type 2 somatostatin receptor (Ad5-CMVhSSTr2). Expression of the hSSTr2 reporter was imaged using a radiolabeled, somatostatin-avid peptide (P829). Methods: Bilateral s.c. A427 tumor xenografts were established on the flanks of athymic nude mice.

These human-origin, non-small cell lung tumors are normally neg. for hSSTr2 expression. One tumor was injected directly with Ad5-CMVhSSTr2, whereas the second tumor was injected directly with a control Ad5 vector. The mice were injected i.v. 48 h later with P829 peptide that was radiolabeled to high specific activity with 99mTc (half-life, 6 h) or 188Re (half-life, 17 h). Tumors were frozen and evaluated for somatostatin receptor expression using fluorescein-labeled somatostatin. Results: The accumulation of radiolabeled P829 in hSSTr2-expressing

tumors

in

was easily visualized by .gamma. camera imaging 3 h after injection. Imaging region of interest analyses and biodistribution studies confirmed a 5- to 10-fold greater accumulation of both radiolabeled P829 peptides

the Ad5-CMVhSSTr2-injected tumors vs. control tumors injected with control  $% \left( 1\right) =\left( 1\right) +\left( 1\right)$ 

Ad5 vectors. Ad5-CMVhSSTr2-injected tumors accumulated 2.5-3.8 percentage

injected dose per g 3 h after injection. Only Ad5-CMVhSSTr2-injected tumors expressed somatostatin receptors, as detd. by immunohistochem. Conclusion: These studies show the feasibility of imaging a 99mTc-labeled peptide's binding to a reporter receptor after in vivo gene transfer to tumor cells. The 188Re-labeled peptide worked equally well for this imaging approach and offers the addnl. advantage of energetic .beta.

decay

with potential therapeutic efficacy. 99mTc and 188Re are generator produced, an advantage for widespread availability and low cost, and both radioisotopes can be imaged with existing, high-resoln. modalities.

There

is great potential for using 99mTc-labeled peptides for imaging gene transfer with the hSSTr2 reporter receptor, esp. when the reporter correlates with the expression of therapeutic genes that can be included simultaneously in the gene therapy vector.

REFERENCE COUNT:

35 THERE ARE 35 CITED REFERENCES AVAILABLE FOR

THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

=> d 13 9 ibib abs

L3 ANSWER 9 OF 18 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 1

ACCESSION NUMBER:

1999:704836 CAPLUS

DOCUMENT NUMBER:

131:327610

TITLE:

Labeled somatostatin analogs for imaging

cardiovascular disease

INVENTOR(S):

Dean, Richard T.; Lister-James, John

PATENT ASSIGNEE(S):

Diatide, Inc., USA

SOURCE:

U.S., 6 pp., Cont.-in-part of U.S. Ser. No. 253,973.

CODEN: USXXAM

DOCUMENT TYPE: LANGUAGE: Patent English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5976496	Α	19991102	US 1997-976995	19971124
CA 2191951	AA	19951214	CA 1995-2191951	19950601
CN 1158090	Α	19970827	CN 1995-194356	19950601
ZA 9504548	Α	19960315	ZA 1995-4548	19950602
PRIORITY APPLN.	INFO.:		US 1994-253973 A2	19940603

AB The invention provides methods and kits for detecting cardiovascular disease in a living mammal, using a labeled form of a somatostatin analog.

Suitable labels are 123I, 67Ga, 111In and 99mTc. The methods and kits of the invention provide early detection of atherosclerotic plaque, in particular, unstable atherosclerotic plaque, thus allowing therapeutic intervention prior to acute and potentially fatal incidents of cardiovascular disease. Thus, localization and in-vivo imaging of atherosclerotic plaques was carried out in hypercholesteremic rabbits using Tc-99m-labeled somatostatin analogs.

REFERENCE COUNT:

18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR

THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

=> d 13 10 ibib abs

L3 ANSWER 10 OF 18 USPATFULL

ACCESSION NUMBER:

1999:113713 USPATFULL

TITLE: INVENTOR(S): Cyclic hexapeptide somatostatin analogues Dean, Richard T, Bedford, NH, United States McBride, William, Summit, NJ, United States

Lister-James, John, Bedford, NH, United States

PATENT ASSIGNEE(S):

Diatide, Inc., Londonderry, NH, United States (U.S.

corporation)

NUMBER KIND DATE \_\_\_\_\_\_\_ US 5955426 WO 9604308 PATENT INFORMATION: 19990921 19960215 US 1997-776160 19970630 (8) APPLICATION INFO.: WO 1995-US9276 19950720

19970630 PCT 371 date 19970630 PCT 102(e) date

Continuation of Ser. No. US 1994-282980, filed on 29 RELATED APPLN. INFO.:

Jul 1994

DOCUMENT TYPE: Utility Granted FILE SEGMENT:

Tsang, Cecilia J. PRIMARY EXAMINER:

LEGAL REPRESENTATIVE: McDaniels, Patricia A., Noonan, Kevin E.

NUMBER OF CLAIMS: 15 EXEMPLARY CLAIM: LINE COUNT: 898

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

This invention relates to therapeutic reagents and peptides, including radiotherapeutic reagents and peptides, and radiodiagnostic reagents and

peptides. Specifically, the invention relates to cyclic peptide derivatives and analogs of somatostatin, and embodiments of such peptides radiolabeled with a radiosiotope, as well as methods for using such peptides for radiodiagnostic and radiotherapeutic purposes.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

#### => d 13 11 ibib abs

ANSWER 11 OF 18 USPATFULL

ACCESSION NUMBER: 1999:88768 USPATFULL

Cyclic peptide somatostatin analogs TITLE:

Dean, Richard T., Bedford, NH, United States INVENTOR(S):

McBride, William, Manchester, NH, United States Lister-James, John, Bedford, NH, United States

Diatech, Inc., Londonberry, NH, United States (U.S. PATENT ASSIGNEE(S):

corporation)

NUMBER. KIND DATE 19990803 US 5932189 US 1994-282980 PATENT INFORMATION: 19940729 (8)

APPLICATION INFO.: Utility DOCUMENT TYPE: FILE SEGMENT: Granted

ASSISTANT EXAMINER: Dees, Jose G.
LEGAL REPRESENT Jones, Dameron

LEGAL REPRESENTATIVE: McDaniels, Patricia A., Noonan, Kevin E.

NUMBER OF CLAIMS: 23 EXEMPLARY CLAIM: 1032 LINE COUNT:

and

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

This invention relates to therapeutic reagents and peptides, including radiotherapeutic reagents and peptides, and radiodiagnostic reagents

peptides. Specifically, the invention relates to cyclic peptide derivatives and analogs of somatostatin, and embodiments of such peptides radiolabeled with a radioisotope, as well as methods for using such peptides for radiodiagnostic and radiotherapeutic purposes.

#### CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=> d 13 12 ibib abs

ANSWER 12 OF 18 CAPLUS COPYRIGHT 2002 ACS

1999:110998 CAPLUS ACCESSION NUMBER:

DOCUMENT NUMBER:

130:322394

The utility of a somatostatin-type receptor binding TITLE:

peptide radiopharmaceutical (P829) in the evaluation

of solitary pulmonary nodules

AUTHOR (S):

Blum, Jay E.; Handmaker, Hirsch; Rinne, Neal A. CIGNA Healthcare of Arizona, Phoenix, AZ, USA

CORPORATE SOURCE: SOURCE:

Chest (1999), 115(1), 224-232

CODEN: CHETBF; ISSN: 0012-3692

PUBLISHER:

American College of Chest Physicians

DOCUMENT TYPE:

Journal

LANGUAGE:

English

AB Many neoplasms including small cell cancers more densely express somatostatin-type receptors or more avidly bind somatostatin than granulomatous and other nonmalignant processes. While non-small cell neoplasms of the lung have not yet been shown to demonstrate this receptor

expression, previous studies have documented non-small cell lung cancer detection with somatostatin analog scintigraphy. This phenomenon can be conceivably exploited utilizing technetium Tc-99m P829 (P829), a unique low mol. wt. somatostatin-type receptor binding polypeptide radiopharmaceutical. The objective of this study was to det. the ability of P829 scintigraphy to noninvasively differentiate malignant and nonmalignant solitary pulmonary nodules (SPNs). The radiopharmaceutical technetium 99mTc-P829 was utilized for scintigraphy including single photon emission computed tomog. Thirty individuals with indeterminate SPNs of .gtoreq. 1 cm and significant risk factors for primary lung

cancer

were identified and underwent P829 scintigraphy. Tissue diagnosis was then established by transthoracic needle biopsy specimens. Fourteen subjects demonstrated abnormal P829 scans in the region of the radiog. abnormality. Twelve of this group had biopsy specimens revealing neoplasia. Two subjects with necrotizing granuloma on biopsy specimen

had

abnormal P829 scans in the region of the nodule. Sixteen subjects had no abnormal P829 tracer uptake in the region of the nodule. Fourteen subjects had benign diagnoses on biopsy specimens. One member of this group with a non-diagnostic biopsy specimen refused thoracotomy and remains radiog. stable at 24 mo of follow-up. One subject with a

squamous

cell carcinoma demonstrated no P829 activity in the region of the nodule. The specificity of P829 scintigraphy based on transthoracic needle biopsy specimen was 88%. The sensitivity was 93%. P829 scintigraphy correctly identified or excluded malignancy in 27 of 30 subjects. P829

scintigraphy

reliably identified or excluded malignancy in radiog. indeterminate solitary pulmonary nodules. The sensitivity and specificity compared favorably with the reported results of F-18 fluorodeoxyglucose positron emission tomog. imaging.

REFERENCE COUNT:

THERE ARE 53 CITED REFERENCES AVAILABLE FOR

THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

**FORMAT** 

=> d 13 13 ibib abs

ANSWER 13 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER:

1998:273442 CAPLUS

DOCUMENT NUMBER:

129:51472

TITLE:

Somatostatin receptor subtype specificity and in vivo

binding of a novel tumor tracer, 99mTc-P829

AUTHOR (S):

Virgolini, Irene; Leimer, Maria; Handmaker, Hirsch;

Lastoria, Secondo; Bischof, Claudia; Muto, Pietro;

Pangerl, Thomas; Gludovacz, Doris;

Peck-Radosavljevic,

Markus; Lister-James, John; Hamilton, Gerhard;

Kaserer, Klaus; Valent, Peter; Dean, Richard

CORPORATE SOURCE: Department of Nuclear Medicine, University of Vienna,

Vienna, A-1090, Austria

SOURCE:

Cancer Research (1998), 58(9), 1850-1859

CODEN: CNREA8; ISSN: 0008-5472

PUBLISHER:

American Association for Cancer Research

DOCUMENT TYPE: Journal

LANGUAGE: English

Recent data suggest that somatostatin receptors (SSTRs) are expressed on various tumor cells. High-level expression of SSTR on the tumor cell surface provides the basis for the successful clin. use of radiolabeled ligands for the in vivo localization of tumor sites. We have characterized the in vitro binding properties of the novel SSTR ligand 99mTc-P829 using primary human tumors (carcinoids, breast cancers, intestinal adenocarcinomas, pheochromocytomas, small cell and non-small cell lung cancer, and melanomas; n = 28), various tumor cell lines, and COS7 cells transfected with the human SSTR (hSSTR) subtypes 1, 2, 3, 4, and 5. 99mTc-P829 bound to primary tumor cells and tumor cell lines with high affinity and high capacity. The dissocn. consts. (Kd) ranged between

1 and 20 nM. 99mTc-P829 also bound with high affinity to the transfected hSSTR2 (Kd, 2.5 nM), hSSTR5 (Kd, 2 nM), and hSSTR3 (Kd, 1.5 nM). Binding of 99mTc-P829 to hSSTR3 was found to be displaceable by unlabeled P829/([ReO]-P829), SST-14, and vasoactive intestinal peptide (VIP; IC50,

nM) and, less effectively, by Tyr3-octreotide (IC50, 20 nM). contrast,

the binding of 99mTc-P829 to hSSTR2 and hSSTR5 could be displaced by P829/([ReO]-P829) and Tyr3-octreotide but not by VIP. 99mTc-P829 scintigraphy revealed in vivo binding to primary or metastatic tumor sites

in seven of eight patients with breast cancer and six of six patients with

melanoma. In summary, our data show that 99mTc-P829 binds with high affinity to many different types of primary and cloned tumor cells. Furthermore, our data identify hSSTR2, the VIP acceptor hSSTR3, and hSSTR5

as the resp. target receptors. Because these receptors are frequently expressed at high levels on primary tumor cells, 99mTc-P829 appears to be a promising novel peptide tracer for tumor imaging.

#### => d 13 14 ibib abs

ANSWER 14 OF 18 CAPLUS COPYRIGHT 2002 ACS ACCESSION NUMBER: 1996:367653 CAPLUS

DOCUMENT NUMBER:

125:52519

TITLE:

Cyclic hexapeptide somatostatin analogs for

radiodiagnosis and radiotherapy

INVENTOR(S):

Dean, Richard T.; McBride, William; Lister-James,

John

PATENT ASSIGNEE(S):

Lister-James, John, USA PCT Int. Appl., 29 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

Patent

LANGUAGE:

SOURCE:

English .

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

		CENT				ND	DATE				APP	LIC	ATI	и ис	Ο.	DATE			
		9604				 1	1996	0215			WO	199	5 - U	5927	6	1995	0720		
		W:	AU,	BR,	CA,	CN,	JP,	KR,	US										
		RW:	ΑT,	ΒE,	CH,	DE,	DK,	ES,	FR,	GB	, G	R,	ΙE,	IT,	LU,	MC,	NL,	PT,	SE
	US	5932	189		Α		19990	0803			US	199	4-2	8298	0	1994	0729		
	CA	2195	395		A	A	19960	0215			CA	199	5-2	1953	95	1995	0720		
	ΑU	9531	984		A.	1	19960	0304			AU	199	5-3	1984		1995	0720		
	ΑU	7029	17		B	2	19990	0311											
	ΕP	7751	60		A:	1	19970	0528			ΕP	199	5-9	2810	9	1995	0720		
		R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB	, G	R,	ΙE,	IT,	LI,	LU,	MC,	NL,	PT,
SE																			
	CN	1161	698		Α		1997	1008			CN	199	5-1	9492	0	1995	0720		
	BR	9508	467		Α		1997	1223			BR	199	5-8	467		1995	0720		
	JР	1050	6880		T	2	19980	0707			JΡ	199	5-5	0657	5	1995	0720		
	JP	3117	218		В:	2	20003	1211			JΡ	199	6-5	0657	5	1995	0720		
	ZA	9506	254		Α		19960	0313			ZA	199	5-6	254		1995	0727		
	US	5955	426		Α		19990	0921			US	199	7-7	7616	0	1997	0630		
PRIOF	RITY	APP	LN.	INFO	. :					US	199	4-2	829	80	A2	1994	0729		
										WO	199	5-U	S92	76	W	1995	0720		

OTHER SOURCE(S): MARPAT 125:52519

The invention relates to therapeutic reagents and peptides, including radiotherapeutic reagents and peptides, and radiodiagnostic reagents and peptides. Specifically, the invention relates to cyclic peptide derivs. and analogs of somatostatin, and embodiments of such peptides

radiolabeled

with a radioisotope, as well as methods for using such peptides for radiodiagnostic and radiotherapeutic purposes. Receptor-binding data are included. Localization and in vivo imaging of somatostatin receptor-expressing tumors in rats are described (no data).

#### => d 13 15 ibib abs

ANSWER 15 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER:

1996:148249 CAPLUS

DOCUMENT NUMBER:

124:261669

TITLE:

Somatostatin Receptor-Binding Peptides Labeled with Technetium-99m : Chemistry and Initial Biological

Studies

AUTHOR (S):

Pearson, Daniel A.; Lister-James, John; McBride, William J.; Wilson, David M.; Martel, Lawrence J.; Civitello, Edgar R.; Taylor, John E.; Moyer, Brian

R.;

Dean, Richard T.

CORPORATE SOURCE:

Department of Chemistry, Diatech Inc., Londonderry,

NH, 03053, USA

Journal of Medicinal Chemistry (1996), 39(7), 1361-71 SOURCE:

CODEN: JMCMAR; ISSN: 0022-2623

American Chemical Society PUBLISHER:

DOCUMENT TYPE: Journal English LANGUAGE:

The synthesis of peptides which possess a high affinity for the somatostatin receptor and contain a chelator for the radionuclide technetium-99m is described. The target compds. were designed such that they would form stable, oxotechnetium(V) chelate complexes in which the site of metal coordination was well defined and remote from the receptor-binding region. Oxorhenium(V) chelate complexes of these peptides were prepd. as nonradioactive surrogates for the technetium complexes. Peptide oxorhenium complexes and Tc-99m complexes eluted closely upon HPLC anal. The receptor-binding affinities of both the free and rhenium-coordinated species were measured in vitro. The binding affinities of the free peptides (Ki's in the 0.25-10 nM range) compared favorably with [DTPA] octreotide (Ki = 1.6 nM), which, as the indium-111 complex, is already approved for somatostatin-type receptor (SSTR) -expressing tumor imaging in the United States and Europe. Furthermore, the rhenium-coordinated peptides had binding affinities which, in many cases, were higher than those of the corresponding free peptides, with several complexes having Ki = 0.1 nM. Some of the more potent SSTR-binding peptides were labeled with technetium-99m and assessed

in an in vivo study with tumor-bearing rats. The 99mTc-labeled peptides prepd. in this study should be useful as SSTR-expressing tumor-imaging agents due to their high SSTR-binding affinities, ease of prepn., and, because they are low mol. wt. peptides, expected pharmacokinetics characterized by rapid tracer excretion from the body resulting in high-contrast images.

### => d 13 16 ibib abs

ANSWER 16 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:426626 CAPLUS

DOCUMENT NUMBER: 125:136537

TITLE: Preclinical evaluation of technetium-99m-labeled

somatostatin receptor-binding peptides

AUTHOR (S): Vallabhajosula, Shankar; Moyer, Brian R.;

Lister-James, John; McBride, Bill J.; Lipszyc,

Helena;

Lee, Hiram; Bastidas, Diago; Dean, Richard T.

Department Radiology, Mount Sinai Medical Center, New CORPORATE SOURCE:

York, NY, 10029, USA

SOURCE: Journal of Nuclear Medicine (1996), 37(6), 1016-1022

CODEN: JNMEAQ; ISSN: 0161-5505 Society of Nuclear Medicine

PUBLISHER: DOCUMENT TYPE: Journal

LANGUAGE: English

AΒ We report here the results of studies on the in vitro receptor binding affinity, in vivo tumor uptake and biodistribution of two 99mTc-labeled peptides. Peptides P587 and P829 were synthesized by N-.alpha.-Fmoc peptide chem., purified by reversed-phase HPLC and characterized by fast-atom bombardment mass spectrometry. The peptides were labeled with

99mTc by ligand exchange from 99mTc-glucoheptonate. In vitro somatostatin

receptors (SSTR)-binding affinities of P587, P829 and their oxorhenium complexes, [DTPA] octreotide and In-[DTPA] octreotide were detd. in an inhibition assay using AR42J rat pancreatic tumor cell membranes and

125I-[Tyr3] somatostatin-14 as the probe. In vivo single- and dual-tracer studies of 99mTc peptides and 111In-[DTPA] octreotide were carried out using Lewis rats bearing CA20948 rat pancreatic tumor implants. Technetium-99m-P587 and 99mTc-P829 of high-specific activity (>60 Ci (2.2 TBq)/mmole) were prepd. in >90% radiochem. yield. P587 and P829 had a Ki = 2.5 nM and 10 nM, resp. [ReO]P587 and [ReO]P829, representing the 99mTc

complexes, had Ki = 0.15 nM and 0.32 nM, resp. In comparison, [DTPA] octreotide and In-[DTPA] octreotide had Ki = 1.6 and 1.2 nM, resp. In vivo tumor uptake of 99mTc-P587 and 99mTc-P829 was high (4.1 and 4.9%ID/g at 90 min postinjection compared to 2.9% for 111In-[DTPA]octreotide). Tumor/blood and tumor/muscle ratios at 90 min postinjection were 6 and 33 for 99mTc-P587, 21 and 68 for 99mTc-P829, and 22 and 64 for 111In-[DTPA] octreotide. The high SSTR-binding affinity and high, receptor-specific and saturable in vivo tumor uptake indicate that 99mTc-P587 and 99mTc-P829 are promising radiotracers for the clin. detection of SSTR-expressing tumors and other tissues by 99mTc gamma scintigraphy.

#### => d 13 17 ibib abs

ANSWER 17 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1996:155533 CAPLUS

DOCUMENT NUMBER: 124:212160

Monoamine, diamide, thiol-containing metal chelating TITLE:

agents

Patent

Mcbride, William; Dean, Richard T. INVENTOR(S):

Diatech, Inc., USA PATENT ASSIGNEE(S): PCT Int. Appl., 64 pp. SOURCE:

CODEN: PIXXD2

DOCUMENT TYPE:

LANGUAGE: English

FAMILY ACC. NUM. COUNT:

PATENT INFORMATION:

	PATENT NO. KIND DA				DATE APPLICATION						и ис	10.	DATE						
											- <b>-</b> -								
	WO	9533	497		A	1	1995	1214		1	WO	199	5 - U	S691	4	1995	0601		
		W:	ΑU,	BR,	CA,	CN,	JP,	KR											
		RW:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB	, G	R,	ΙE,	IT,	LU	MC,	NL,	PT,	SE
	CA	2191	951		A.	A	1995	1214			CA	199	5-2	1919	951	1995	0601		
	ΑU	9526	944		A:	1	1996	0104			UΑ	199	5-2	5944	Į.	1995	0601		
	ΑU	7070	40		B:	2	1999	0701											
	BR	9507	917		Α		1997	0812		1	BR	199	5-7	917		1995	0601		
	CN	1158	090	-	Α		1997	0827			CN	199	5-1	9435	6	1995	0601		
	ΕP	8042	52		A:	2	1997	1105		:	ΕP	199	5-92	2215	9	1995	0601		
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diagnostic

and therapeutic agents (radiopharmaceuticals). Specifically, the invention provides such reagents that are monoamine, diamide, and thiol-contg. metal chelators. Methods of making such reagents, and methods of using the radiopharmaceuticals produced therefrom are also provided.

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L3 ANSWER 18 OF 18 CAPLUS COPYRIGHT 2002 ACS

ACCESSION NUMBER: 1995:465577 CAPLUS

DOCUMENT NUMBER: 122:234388

TITLE: Radiolabeled somatostatin-derived peptides for

imaging

and therapeutic uses

INVENTOR(S): Dean, Richard T.; McBride, William; Lister-James,

John

PATENT ASSIGNEE(S): Diatech, Inc., USA SOURCE: PCT Int. Appl., 72 pp.

CODEN: PIXXD2

DOCUMENT TYPE:

LANGUAGE:

Patent English

FAMILY ACC. NUM. COUNT: 44

PATENT INFORMATION:

PA	PATENT NO.			KIND DAT					AP	PLIC	ATIC	ON NO	ο.	DATE			
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WO	9500	553		A:	1	1995	0105		WO	199	4 - US	6274	4	1994	0603		
	W:	AU,	CA,	JP,	US												
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AU	9470	990		A:	1	1995	0117		AU	199	4-70	990		1994	0603		
AU	7010	83		B	2	1999	0121										
EP	7206	21		A:	1	1996	0710		EP	199	4-92	20076	6	1994	0603		
EP	7206	21		В:	1	2001	0207										
	R:	ΑT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	ΙE,	IT,	LI,	NL,	SE		
AT	1990	89		$\mathbf{E}$		2001	0215		AT	199	4-92	20076	6	1994	0603		
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								N	10 19	93 - U	S602	29	Α	1993	0623		
								Ü	IS 19	93-9	2355	5	Α	1993	715		
								W	10 19	94 - U	S627	74	W	1994	0603		

OTHER SOURCE(S): MARPAT 122:234388

AB Therapeutic reagents and peptides, including radiotherapeutic reagents and

peptides, radiodiagnostic reagents and peptides, and methods for producing

labeled radiodiagnostic agents, are disclosed. Specifically, the invention relates to cyclic peptide derivs. and analogs of somatostatin, and embodiments of such peptides radiolabeled with a radioisotope, as well

as methods and kits for making, radiolabeling, and using such peptides for  $% \left( 1\right) =\left( 1\right) +\left( 1\right)$ 

radiodiagnostic and radiotherapeutic purposes. The invention specifically

relates to cyclic peptide derivs. and analogs of somatostatin radiolabeled

with technetium-99m and uses thereof as scintigraphic imaging agents. The  $\,$ 

invention also specifically relates to cyclic peptide derivs. and analogs of somatostatin radiolabeled with cytotoxic radioisotopes (e.g. 186Re, 188Re) for use as radiotherapeutic agents. Methods and kits for making, radiolabeling, and using such peptides diagnostically and therapeutically in a mammalian body are also provided. Data for binding of the analogs

somatostatin receptors is included, as is use in imaging of somatostatin receptor-expressing tumors.

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FULL ESTIMATED COST	59.94	64.53
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)		SESSION
CA SUBSCRIBER PRICE	-8.05	-8.05
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